

MAXDATA Server PLATINUM 1500 IR M6 – Quick Start Guide

Thank you for buying a MAXDATA PLATINUM 1500 IR M6 Server. This document describes how to set up the system, turn on the system, and complete configuration for the system.

Please go to "http://ftp.maxdata.com/" >> "MAXDATA Platinum Server" >> "Manuals" to download a manual containing additional information.

1 Safety

Warning

- Installation and service**
Installation and service of this product is to be performed only by qualified service personnel to avoid risk of injury from electrical shock or energy hazard.
- Enclosure cover**
In order to comply with applicable safety, emission, and thermal requirements, no covers should be removed and all bays must be fitted with drive carriers.
- Battery Safety**
There is a danger of explosion if the battery is incorrectly replaced.
Dispose of used batteries in accordance with the manufacturer's instructions and national regulations.

Caution

- Electrostatic discharge**
Observe normal Electrostatic Discharge (ESD) procedures during system integration to avoid possible damage to the server board and/or other components of the server system.
- Server system power**
System power on/off: The power button DOES NOT turn off the system AC power. To remove power from server system, you must unplug the AC power cord from the wall outlet or the chassis.

2 Site Selection

- The system is designed to operate in a typical office environment. Choose a site that is:
- Clean, dry, and free of airborne particles (other than normal room dust).
 - Well-ventilated and away from sources of heat including direct sunlight and radiators.
 - Away from sources of vibration or physical shock.
 - Isolated from strong electromagnetic fields produced by electrical devices.
 - In regions that are susceptible to electrical storms, we recommend you plug your system into a surge suppresser and disconnect telecommunication lines to your modem during an electrical storm.
 - Provided with a properly grounded wall outlet.
 - Provided with sufficient space to access the power supply cord(s), because they serve as the product's main power disconnect.

3 System Overview

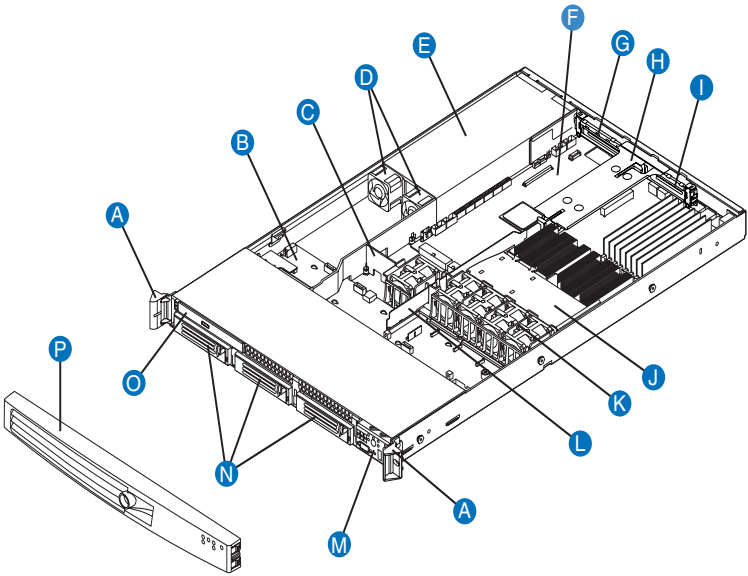
Technical Specification

- Dimensions:
- 43.25 mm high
 - 430 mm wide
 - 692 mm deep
 - 14.1 kg - max chassis weight
- System Power:
- 100-127 V at 50/60 Hz; 8.55 A max.
 - 200-240 V at 50/60 Hz; 4.3 A max.
- Temperature Range: +10 °C to +30 °C

Regulatory Compliance

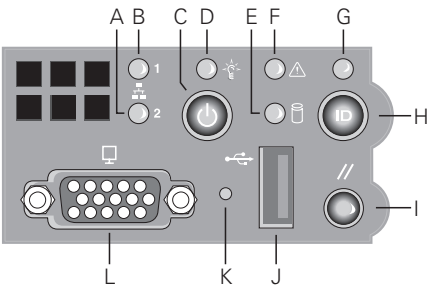
- This product complies to the following requirements:
- EN 60950 – Safety
 - EN 55022 – Emissions
 - EN 55024 – Immunity
 - EN 61000-3-2 – Harmonics
 - EN 61000-3-3 – Voltage Flicker
 - CE – EMC Directive 89/336/EEC
- This product has a CE declaration of conformity (CENELEC Europe).
This server system is compliant to European Directive 2002/95/EC (RoHS).

Chassis Components



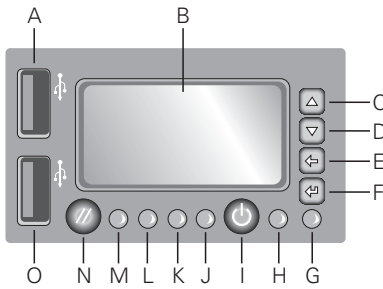
- | | |
|-----------------------------------|---|
| A. Rack Handles | I. PCI card bracket (low profile) |
| B. Backplane | J. Processor air duct |
| C. Air baffle | K. Fan module |
| D. Power supply fans | L. Bridge board |
| E. Power supply | M. Control panel (standard control panel shown) |
| F. Server board | N. Hard drive bays |
| G. PCI card bracket (full height) | O. Slimline Optical Drive Bay |
| H. PCI add-in riser assembly | P. Front bezel (optional) |

Standard Control Panel



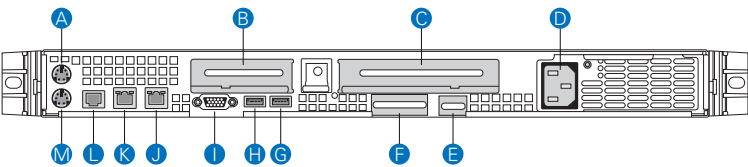
- | | |
|---------------------------------|---------------------------------|
| A. NIC 2 Activity LED | G. System Identification LED |
| B. NIC 1 Activity LED | H. System Identification Button |
| C. Power/Sleep Button | I. Reset Button |
| D. Power/Sleep LED | J. USB 2.0 Port |
| E. Hard Disk Drive Activity LED | K. NMI Button |
| F. System Status LED | L. Video Port |

Local Control Panel (optional instead of Standard Control Panel)



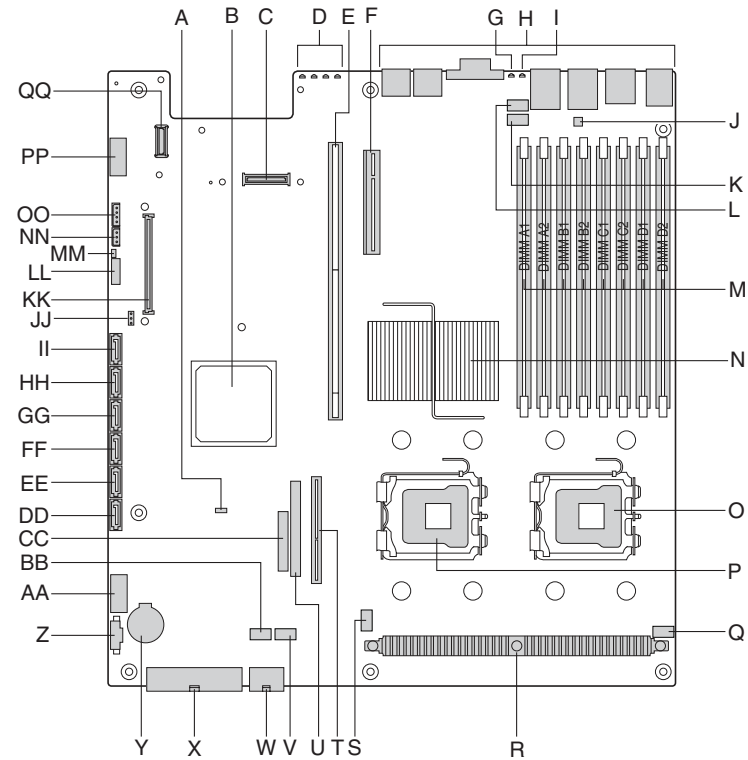
- | | |
|-------------------------------------|---------------------------|
| A. USB 2.0 Port | I. Power/Sleep Button |
| B. LCD Display | J. System Status LED |
| C. Menu Control Button, Scroll Up | K. NIC 2 Activity LED |
| D. Menu Control Button, Scroll Down | L. NIC 1 Activity LED |
| E. Menu Control Button, Scroll Left | M. Hard Disk Activity LED |
| F. Menu Control Button, Enter | N. Reset Button |
| G. System Identification LED | O. USB 2.0 Port |
| H. Power/Sleep LED | |

Rear of Server System



- | | |
|--|---------------------------|
| A. PS2 mouse connector | H. USB 2 connector |
| B. PCI card bracket (low profile) | I. Video connector |
| C. PCI card bracket (full height) | J. NIC 1 connector |
| D. AC Power Receptacle | K. NIC 2 connector |
| E. Management Network Interface (optional) | L. RJ45 serial B port |
| F. IO module external connector (optional) | M. PS2 keyboard connector |
| G. USB 1 connector | |

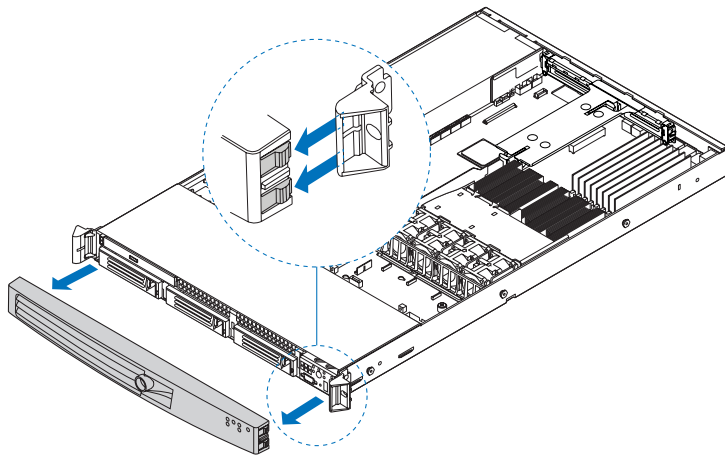
4 Server Board Connector and Component Locations



- | | | |
|---|---|--|
| A. BIOS Bank Select Jumper | P. Processor 2 Socket | DD. SATA Port 0 |
| B. Intel® 6321ESB IO Controller Hub | Q. Processor Fan 1 Header | EE. SATA Port 1 |
| C. I/O Expansion Module Connector | R. Voltage Regulator Heat Sink | FF. SATA Port 2 |
| D. POST Code Diagnostic LEDs | S. Processor Fan 2 Header | GG. SATA Port 3 |
| E. Intel® Adaptive Slot - Full Height | T. Bridge Board Connector | HH. SATA Port 4 |
| F. PCI Express Riser Slot - Low Profile | U. ATA-100 Optical Drive Connector (Power + IO) | II. SATA Port 5 |
| G. System Identification LED - Blue | V. System Fan 2 Header | JJ. SATA SW RAID 5 Activation Key Connector |
| H. Back Panel I/O Ports | W. CPU Power Connector | KK. Remote Management Module (RMM) Connector |
| I. Status LED - Green/Amber | X. Main Power Connector | LL. System Recovery Jumpers |
| J. Serial B Configuration Jumper | Y. Battery | MM. Chassis Intrusion Switch Header |
| K. System Fan 4 Header | Z. Power Supply Management Connector | NN. 3-pin IPMB Header |
| L. System Fan 3Header | AA. Dual Port USB 2.0 Header | OO. Local Control Panel Header |
| M. DIMM Sockets | BB. System Fan 1 Header | PP. Serial A Header |
| N. Intel® 5000P MCH | CC. 24-pin SSI Control Panel Connector | QQ.. RMM NIC Connector |
| O. Processor 1 Socket | | |

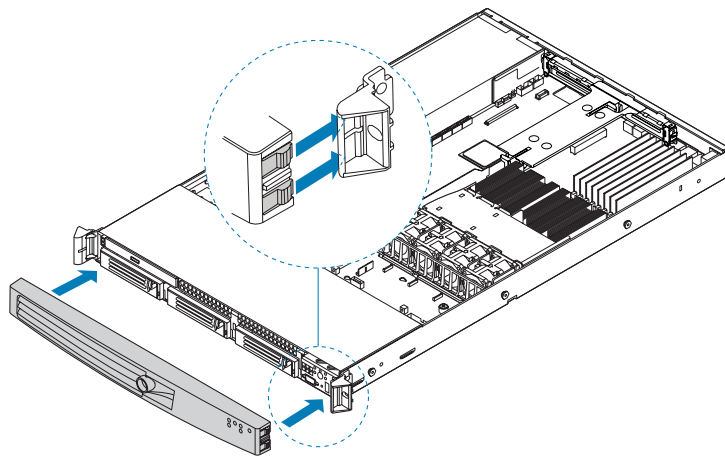
5 Removing the Front Bezel

Unlock the bezel and pull it from the server system.



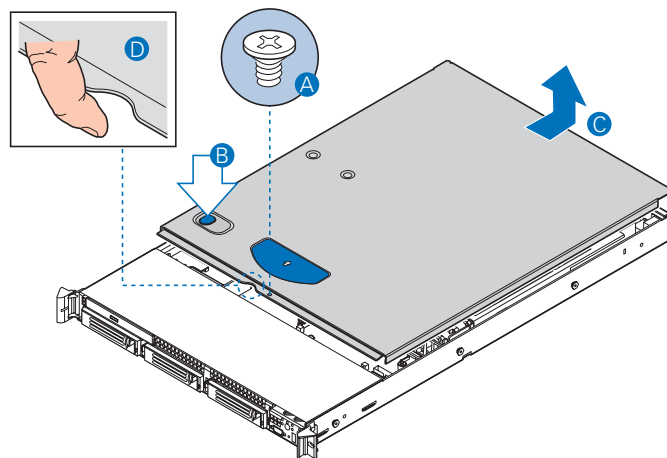
6 Installing the Front Bezel

Push the bezel onto the front of the server system until it clicks into place.



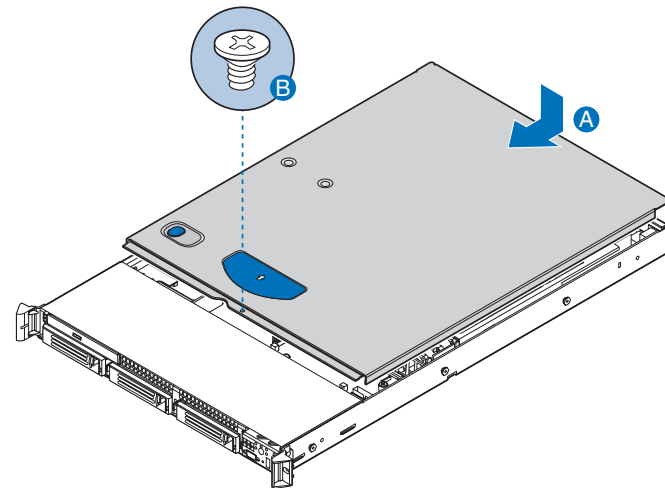
7 Removing the Server System Cover

- 1 Remove the safety screw if it is installed. See letter "A" in the figure below.
- 2 While holding in the blue button at the top of the server system in (see letter "B"), slide the top cover back until it stops (see letter "C").
- 3 Insert your finger in the notch (see letter "D") and lift the cover upward to remove it.

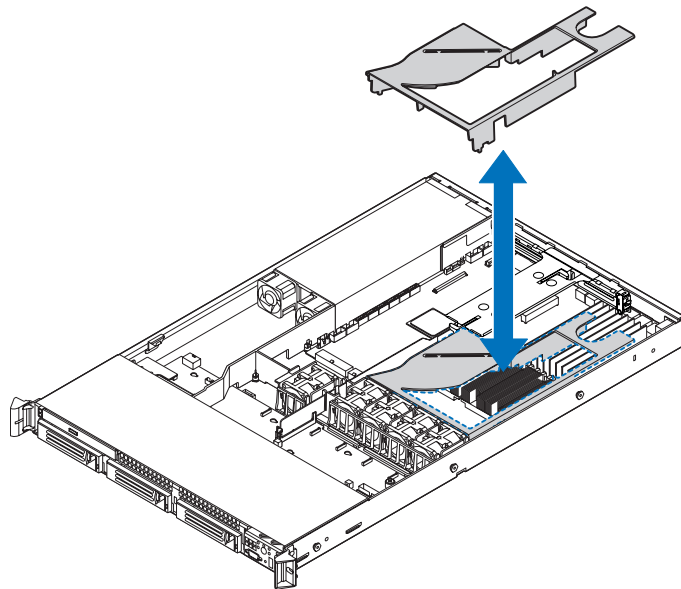


8 Installing the Server System Cover

- 1 Place the cover over the server system so that the side edges of the cover sit just inside the server system sidewalls.
- 2 Slide the cover forward until it clicks into place (see letter "A").

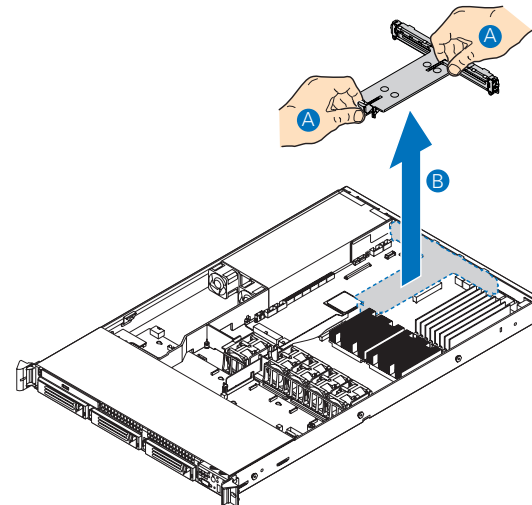


9 Removing and Installing the Processor Air Duct



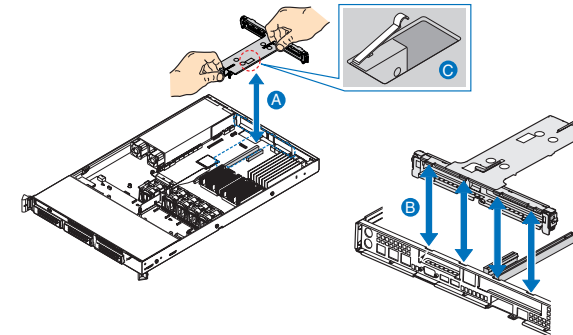
10 Removing the PCI Add-in Card Riser Assembly

- 1 Grasp both riser latches with thumb and forefinger (see letter "A"), and pull up to release riser assembly.
- 2 Lift riser assembly straight up (see letter "B").



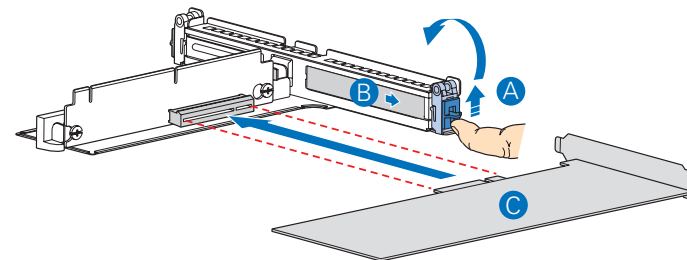
11 Installing the PCI Add-in Card Riser Assembly

- 1 Align the three hooks in the riser assembly with the matching slots at the back of the server system (see letter "B").
- 2 Press down uniformly until the three hooks on the rear of the PCI riser assembly engage the server system back panel slots. The riser cards will seat into the matching sockets on the server board.



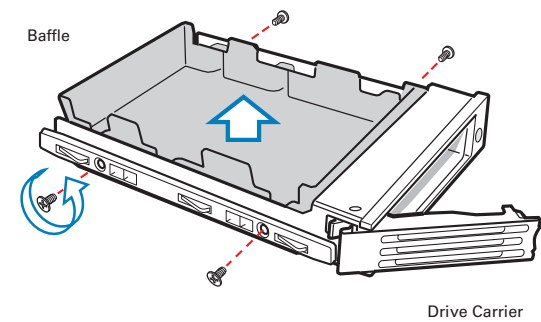
12 Installing a PCI Add-in Card

- 1 Open the rear retention clip by pushing the blue slide upward and rotating clip to the fully open position (see letter "A").
- 2 Open the front retention clip by rotating 90 degrees outward (see letter "B").
- 3 Remove the filler panel from the selected add-in card slot (see letter "C").
- 4 Insert add-in card until it seats in riser card connector (see letter "D").
- 5 Close both retention clips.

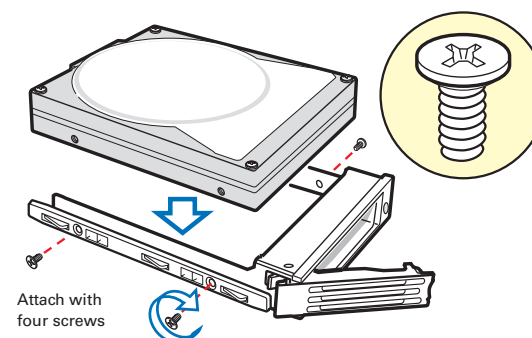


13 Installing Hard Drives

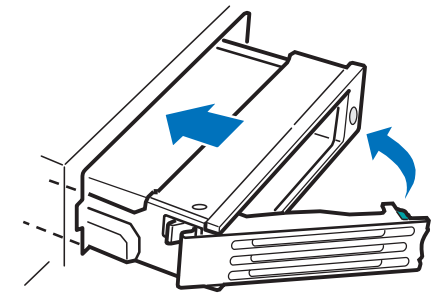
- 1 Remove the Plastic Air Baffle.



- 2 Install the Hard Disk Drive.

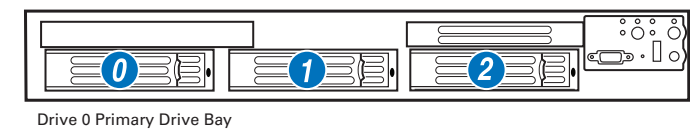


- 3 Install the Carrier Assembly.



Note
Carrier lever must be held in the FULLY OPEN position to install into chassis. Slide carrier into chassis until it stops, then rotate the lever until it snaps shut.

- 4 Hard Drive Numbering Diagram



Caution
If you install less than 6 drives or devices, empty drive bays must be occupied by carriers with baffles to maintain proper system cooling.
To avoid possible damage to your chassis, use only carriers that came with your server system.